

**AMENDMENTS TO THE SPECIFICATION**

Please amend the paragraph bridging pages 22 and 23 of the specification as follows:

Further, in the extracellular fluid change acquiring means 1, an extracellular fluid is determined in the biological impedance measuring means 29, a change in extracellular fluid is determined in the extracellular fluid change computing means ~~23~~ 26, and in the muscle fatigue status determining means 3, a muscle fatigue status is determined based on the change in extracellular fluid. Alternatively, it is also possible that in the extracellular fluid change acquiring means 1, an interstitial fluid constituting a portion of an extracellular fluid is determined in the biological impedance measuring means 29, a change in the interstitial fluid is determined in the extracellular fluid change computing means 26, and a muscle fatigue status is determined based on the change in interstitial fluid in the muscle fatigue status determining means 3. By determining a muscle fatigue status based on a change in interstitial fluid which is strongly related to muscle fatigue out of changes in extracellular fluid, the degree of reliability of determination is increased..